

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
9 September 2005 (09.09.2005)

PCT

(10) International Publication Number
WO 2005/083119 A2

(51) International Patent Classification⁷: **C12Q 1/68**

(21) International Application Number:
PCT/JP2005/003801

(22) International Filing Date: 25 February 2005 (25.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2004-056511 1 March 2004 (01.03.2004) JP

(74) Agents: FUKAMI, Hisao et al.; Fukami Patent Office,
Mitsui Sumitomo Bank Minamimorimachi Bldg., 1-29,
Minamimorimachi 2-chome, Kita-ku, Osaka-shi, Osaka,
5300054 (JP).

(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG,
KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,
MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH,
PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(71) Applicant (*for all designated States except US*):
KURASHIKI BOSEKI KABUSHIKI KAISHA [JP/JP];
7-1, Hommachi, Kurashiki-shi, Okayama, 7100054 (JP).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **MIYAGAWA,**
Isao [JP/JP]; c/o **KURASHIKI BOSEKI KABUSHIKI**
KAISHA Technical Research Laboratory, 14-5,
Shimokida-cho, Neyagawa-shi, Osaka, 5720823 (JP). **IS-**
AGAWA, Yoshihiko [JP/JP]; c/o **KURASHIKI BOSEKI**
KABUSHIKI KAISHA Technical Research Laboratory,
14-5, Shimokida-cho, Neyagawa-shi, Osaka, 5720823
(JP). **MORISHITA, Atsushi** [JP/JP]; c/o **KURASHIKI**
BOSEKI KABUSHIKI KAISHA Technical Research
Laboratory, 14-5, Shimokida-cho, Neyagawa-shi, Osaka,
5720823 (JP).

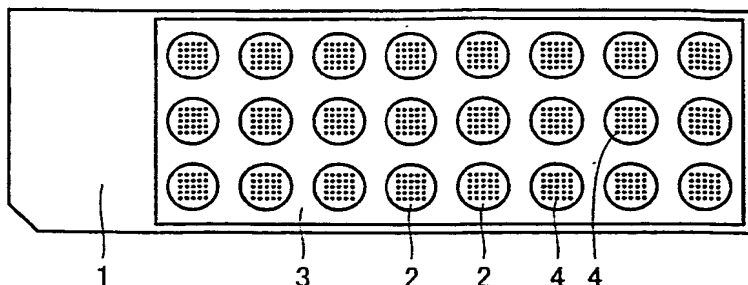
(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *without international search report and to be republished
upon receipt of that report*

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: HYBRIDIZATION METHOD AS WELL AS HYBRIDIZATION MICROARRAY AND HYBRIDIZATION KIT



(57) Abstract: A method of simply and reliably hybridizing a sample biopolymer and probe DNA with each other without using a glass coverslip and a closed vessel by hybridizing the sample biopolymer and a probe biopolymer with each other in a state that a solution containing the sample biopolymer is in contact with only a slide glass to which the probe biopolymer is immobilized in a closed vessel containing a solution having the same vapor pressure as the solution containing the sample biopolymer is provided. A microarray and a kit for hybridization employed for the

present invention are also provided.